January 14, 2008

Mr. Robert M. Baratta, Jr.
Freeborn & Peters LLP
311 South Wacker Drive
Chicago, Illinois 60606

RE: Surcharge Loading of the Existing Seawall at DuSable Park, 400 N Lake Shore Drive, Chicago, IL – STS Project No. 200607131

Dear Mr. Baratta,

The seawall consists of about 1,065 linear feet of driven steel sheet pile and 60 feet of timber wakefield sheeting. The channel bottom is primarily silty sand with occasional areas of riprap and debris. The waterline is approximately 7 feet below the top of the wall. In terms of local coordinates, the waterline is at elevation -2 Chicago City Datum (CCD) and the top of the wall is about elevation +5 CCD.

Soundings were performed by Collins Engineers at 50-foot intervals along the seawall in April 2005. Depth measurements taken at the face of the wall and 20 feet into the channel indicate that the bottom varies from about elevation -10 to -15 CCD.

The active zone of the seawall is defined as the area that projects upward from the bottom of the channel on a 45 degree angle (using a conservative lateral earth pressure coefficient of 0.5). Any surcharge loads (due to adjacent roadways, crane pads, or stockpiles) or pressures within that zone, may impose lateral pressures on the retention system. Based on the soundings, the active zone around DuSable Park extends to a maximum of 15 to 20 feet behind the seawall. Therefore, surcharge loads that are placed beyond the 15 to 20 foot zone behind the seawall do not impose lateral pressure on the seawall retention system.

We appreciate this opportunity to be of service to you. If there are any questions please do not hesitate to contact us.

Respectfully,

STS

Darren S. Diehm, P.E.
Sr. Project Engineer

Don MacDonell
Associate Principal